



DoD Parts Management Reengineering



PMRWG Final Report



**Industry Day, 8 May
2007**

**Defense Standardization
Program Office**



Reengineering



- **All Services, DLA, OSD, industry, trade associations**
- **Fact-finding**
- **Study industry best practices**
- **Evaluate - analyze - explore alternatives**
- **Examine parallel efforts**
- **Develop findings, conclusions, and recommendations**



PMRWG Conclusions



- **Parts management needs to be a requirement**
- **Parts management needs a total system approach**
- **Parts management decision-makers need better tools**
- **Parts management can be accomplished within a performance-based environment**



Eight Major PMRWG Recommendations



- **Restore parts management as an engineering discipline**
- **Make parts management a policy and contractual requirement**
- **Develop tools that provide accurate, current information for parts management**
- Improve DoD organization for parts management
- Build key partnerships and relationships
- Develop parts management tools and metrics
- Develop new marketing products
- Understand parts management's contribution to logistics footprint



Final PMRWG Report



- Published final report
- Executive version
- Available electronically at:



www.dsp.dla.mil/APP_UIL/content/documents/pmrwg_report.pdf

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Implementation



- DSPO Chartered Parts Management Reengineering Implementation Process Team (PMRIPT)
 - Kicked off in May 2006
 - 3-day meetings held about every other month
- Organized PMRIPT into project teams to guide implementation of the top three recommendations:
 - Systems Engineering Team
 - Policy and Contracts Team
 - Tools Development Team
- Enlisted the Parts Standardization & Management Committee (PSMC) to support the reengineering effort



Implementation Team Participants



- Military Departments
 - Defense Logistics Agency
 - OSD Systems Engineering
 - DMSMS Working Group
 - Government Industry Data Exchange Program
 - Parts Standardization and Management Committee
 - Industry representatives
 - Trade Associations (i.e., AIA, AIAA)
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PMRIPT Project Teams



- **Systems Engineering Team**
 - Working with Systems Engineering community on how best to integrate parts management into systems engineering policy / process
 - Coordinating with DAU on incorporating parts management language into appropriate courses
- **Policy and Contracts Team**
 - Developing language for existing policy documents, and developing new documents
 - Drafting contract templates and data item descriptions for parts management contractual requirements
- **Tools Development Team**
 - Interviewing key users to determine tools requirements
 - Coordinating with DMSMS community to build upon existing DMSMS capabilities to develop a single point of entry to parts management data



Closing



Questions?
Comments?_



Extra Stuff



Back Up Material



What Is Parts Management?



- A multi-disciplined process designed to improve system supportability :
 - Reduce Life Cycle Cost
 - Improve reliability
 - Improve readiness (logistics/operational)
 - Improve interoperability
 - Control growth of Logistics Footprint
 - Mitigate DMSMS issues
 - Promote standardization across platforms
- Collaboration between primes, subs, and the Government



History of Parts Management



- 1977:** MIL-STD-965, Parts Control Program
- 1983:** SECDEF Weinberger Spare Parts Acq memo
- 1984:** DEPSECDEF Taft DoD Parts Control memo
- 1994:** SECDEF Perry Acquisition Reform memo
- 1996:** MIL-HDBK-965, Parts Management Program
- 2000:** MIL-HDBK-512, Parts Management
- 2004:** Begin Re-engineering DoD Processes



Warfighter Support



Parts Management:

- Ensures optimum part is used in a design
 - quality, reliability, availability, logistical, and cost
- Provides Warfighter a more reliable, available, and maintainable weapon system
- Ensures the logistics community has a better understanding of the part and its application
- Provides metrics that relate parts management decisions to increases in readiness and ROI



Parts Management is First and Foremost an Engineering Discipline



- Part selection is an engineering responsibility
- Selecting the right parts drives downstream outcomes
- Today, engineering parts management practice is inadequate
- OEM parts management often unfunded, therefore, not done
- Our recommendations address these issues



What We Mean by Making Parts Management A “Requirement”



- **Not** a return to past “prescriptive” practices
- Proposal to add some needed discipline
 - Action: Parts Management during design phase
 - Result: A more supportable system during sustainment
- Require a Parts Management Plan that addresses:
 - DMSMS
 - Parts Selection
- Address Parts Management in program reviews
 - Key element of a well-executed program
- DoD provide mechanism / shared data warehouse



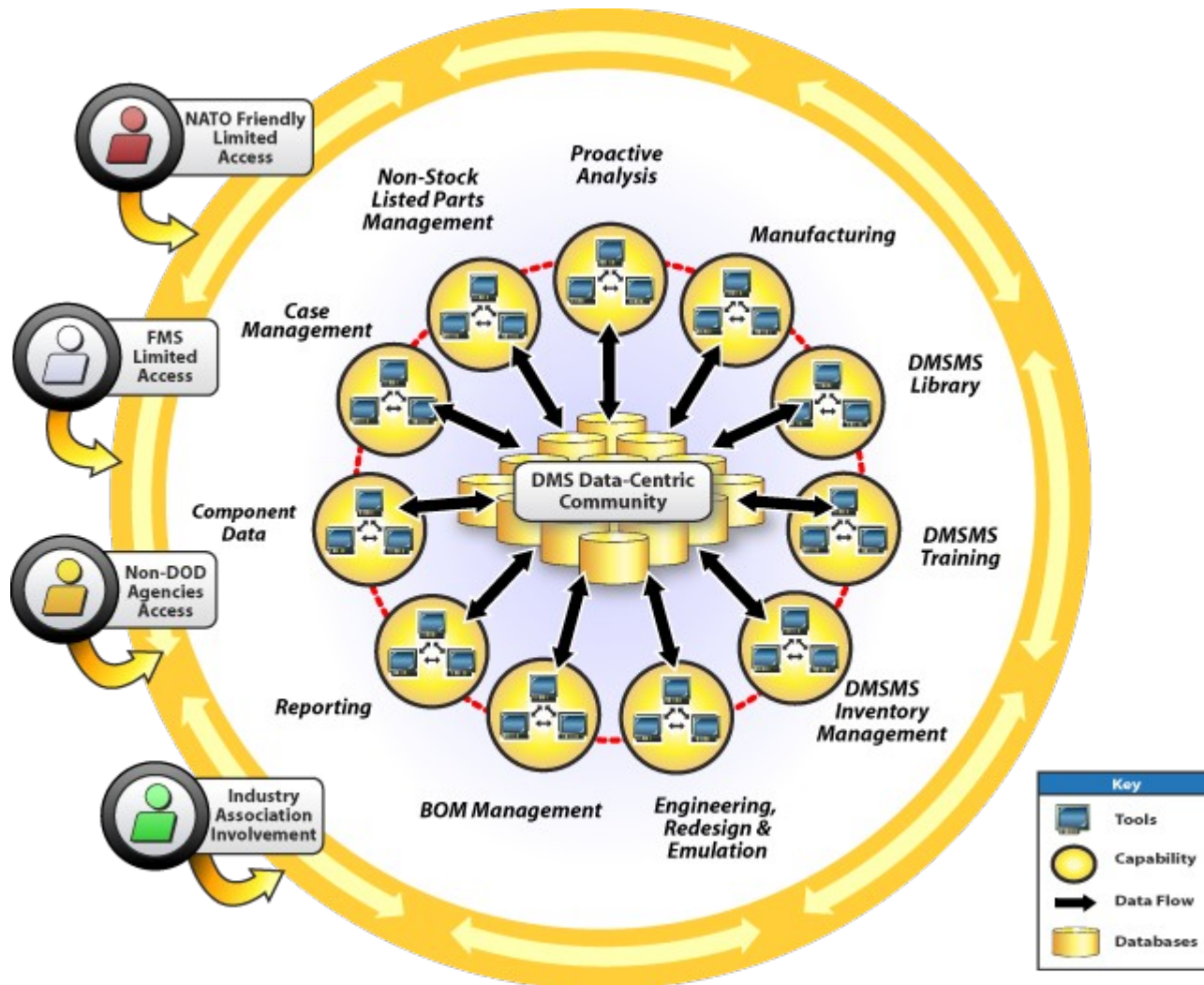
The Critical Need — Current, Accurate Parts Data



- Existing parts data is inadequate, inaccurate, incomplete, inconsistent
- Parts data is spread across hundreds of sources
- DoD is now reengineering many of its parts-related information systems
- Now is the time to act
- We must integrate parts management requirements with current initiatives
- The first element is the DMSMS KSP



DMSMS KSP Capabilities





Logistics Footprint



The size of the presence of logistics support required to deploy, sustain, and move a weapon system, including:

- Inventory/equipment/parts
- Personnel
- Facilities
- Transportation
- Real estate